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Canadian Seed Growers' Association

CATALOGUE

OF



“SELECTED SEED”

1906

HEAD-QUARTERS:

CANADIAN BUILDING, OTTAWA, ONT.

CANADIAN SEED GROWERS' ASSOCIATION

CATALOGUE OF "SELECTED SEED"

1906

President.—Jas. W. Robertson, C.M.G., Macdonald College, Ste. Anne de Bellevue, Que.

Secretary.—L. H. Newman, B.S.A., Canadian Building, Ottawa, Ont.

Officers of the Department of Agriculture, Acting as District Representatives:

W. C. McKillican, Alberta and British Columbia; James Murray, Manitoba and Saskatchewan; T. G. Raynor, Ontario; Joseph C. Coté, Quebec; F. W. Brodriek, Maritime Provinces.

Executive Council.—Jas. W. Robertson, L. H. Newman, C. A. Zavitz, G. A. Gigault, W. L. Davidson, W. L. Smith, L. S. Klinck.

Directors.—Prof. C. A. Zavitz, Guelph, Ont.; Messrs. Thos. A. Peters, Fredericton, N.B.; G. A. Gigault, Quebec; Thos. H. Woolford, Cardston, Alta.; Hugh W. Gibson, Wolseley, Sask.; W. L. Davidson, Bethel, Que.; Morris Middleton, Vernon, B.C.; Thos. S. Waugh, North, Bedeque, P.E.I.; J. O. Duke, Olinda, Ont.; John Mooney, Valley River, Man.; M. Cumming, Truro, N.S.; Geo. Harcourt, Edmonton, Alta.; J. W. Wheaton, Toronto, Ont.; W. L. Smith, Toronto, Ont.; Geo. Batho, Winnipeg, Man.; W. J. Black, Winnipeg, Man.; Wm. Thompson, London, Ont.; John Readey, Charlottetown, P.E.I.; L. S. Klinck, Ste. Anne de Bellevue, Que.; and Donald Innes, Topique River, N.B.

Auditors.—L. S. Klinck, Ste. Anne de Bellevue, Que.; Accountant, Department of Agriculture, Ottawa, Ont.

INTRODUCTION AND EXPLANATIONS.

All seed mentioned in this Catalogue has been produced by members in accordance with the regulations of the association in respect to the growing and selecting of seeds.

Some of the members of the association produce sufficient seed for their own use only. Others make a specialty of growing high-class seed for sale in quantity. The regulations require that all members must each year operate a 'Hand-Selected Seed Plot' or breeding plot of not less than one quarter acre of land. From the ripened standing crop on this plot sufficient large, well developed heads, ears, or pods of grain are selected by hand to produce enough good seed for the 'Hand-Selected Seed Plot' of the succeeding year. Records are kept by the Secretary of the Association of seed that is grown and selected in this way, and certificates of registration are issued to members for all approved seed that has had the benefit of selection, according to this system, for three or more consecutive years.

The yield of seed from the 'Hand-Selected Seed Plot' that is harvested in the regular way, after a sufficient quantity of large heads (Hand-Selected Seed) has been taken, is called 'Improved Seed.' The most of the seed held for sale by members is produced from 'Improved Seed' and, as nearly as could be determined by the district representative who inspected the seed crops of members during 1905, was grown on clean land that is in a good state of cultivation.

DEFINITION OF TERMS.

1. (a) 'Hand-Selected Seed' is seed selected by hand from relatively vigorous and productive plants.

(b) 'Hand-Selected Registered Seed' is hand-selected seed obtained from a crop produced from hand-selected seed in at least the three generations immediately preceding it.

(c) A 'Hand-Selected Seed Plot' is a plot of land bearing a crop produced direct from 'Hand-Selected Seed.'

2. (a) 'Improved Seed' is the product of the 'Hand-Selected Seed Plot.'

(b) 'Improved Registered Seed' is the product of the crop produced from 'Hand-Selected Registered Seed.'

(c) 'Improved Seed Plot' is a plot of land bearing a crop produced direct from 'Improved Seed.'

3. (a) 'General Crop Seed' is the product of the 'Improved Seed Plot.'

(b) 'General Crop Registered Seed' is the product of the crop produced from 'Improved Registered Seed.'

The work in seed growing which led up to the formation of the Canadian Seed Growers' Association was begun in 1900, and carried on by private individuals throughout all parts of Canada under the direction of Prof. Robertson, of the Department of Agriculture. In consequence many of these persons who are now members have seed that is eligible for registration.

It is the duty of the district representative to, each year, visit the farms of the members and inspect their seed crop. The executive council of the association has instructed that no seed be catalogued by the association, except it be of a quality approved by the district representative. These instructions have been carried out in this issue to the best of the knowledge of all concerned. The executive of the association, however, wish it to be understood that the responsibility in the matter of the purity (freedom from weed seeds) of seed supplied by members to any purchaser must necessarily rest with the members themselves. It is desired that information regarding any complaint on the part of purchasers in respect to seed supplied by members of this association be laid before the secretary.

The association believes that the farmers who have followed up the work of seed growing and seed selecting on good land for several consecutive years, in accordance with the regulations, have in this way produced strains of seed that will give larger yields than ordinary grain.

In presenting this catalogue to the public, therefore, no small service should be rendered to the farmers and to the farming interests of this country generally by placing it within the reach of many to secure a supply of such seed for use on their farms.

In the work of producing pedigree seed the members of the Association are given individual assistance, as far as possible, by men specially trained in the science of plant improvement.

For this assistance the members are not at present required to accept any financial obligations. Those desiring to advertise in the Annual Catalogue, however are asked for a small fee to assist in defraying the cost of printing.

EVIDENCE OF THE VALUE OF REGISTERED SEED.

During the winter and spring of 1905 a considerable quantity of Registered Seed was purchased from members and sown by careful and observant farmers throughout different parts of Canada. Of the results of this sowing we will let some of the growers speak for themselves through letters recently received at head-quarters.

SCOTCH LAKE, N.B., Dec. 16, 1905.

CANADIAN SEED GROWERS' ASSOCIATION,
OTTAWA, ONTARIO.

One of the surest ways to produce good crops of good grain is to sow good seed, on good ground, and this very fact is what the directors of the C.S.G.A. are trying to impress upon the minds of the grain growers of Canada. Having grown the pure bred seed supplied by a member of the Association one season, I am prepared by facts to prove that the pure bred seed is better than grain unselected, for the production of heavier crops. From my general crop of oats—from seed well cleaned but not especially selected,—the turnout was twelve from one; from the sample of hand-selected seed sown the turnout was seventeen from one. The variety sown was the "Banner." There are better varieties than this for the production of heavy crops but the variety is a good average one for this locality. Trusting that this bit of information may be of benefit, and help inspire other farmers with the ambition to try to grow better grain, I remain,

Respectfully Yours,
(Signed) WM. H. MOORE.

NEW ANNAN, P.E.I., Dec. 11, 1905.

MR. L. H. NEWMAN,
Sec. Canadian Seed Growers' Association,
OTTAWA, ONT.

DEAR SIR,—In 1904 I secured in the head 30 lbs. of oats of the Banner variety selected by Mr. Michael McKenna, of Emerald, P.E.I., from his seed plot. When threshed and cleaned I had 23 lbs. of good seed which was sown last spring on a $\frac{1}{4}$ acre seed plot. In the fall of 1905 we realized 575 lbs. of cleaned seed from this plot which is at the rate of 25 from 1. The soil was a sandy loam and the year previous was cropped with potatoes. I will have over 16 bushels of Improved Seed to sow in the spring of 1906 besides that which I selected by hand for the seed plot. The oats weigh 40 lbs. per measured bushel.

Sincerely Yours,
(Signed) JAS. MARCHBANK.

MANGERVILLE, N.B., Dec. 16, 1905.

MR. L. H. NEWMAN,
OTTAWA, ONT.

DEAR SIR,—We procured 10 bushels Early Blossom Oats (Registered) last spring from Mr. Donald Innes, Tobique River, N.B., from which we threshed 210 bushels of as good oats as we ever raised.

Yours Truly,
(Signed) A. & C. A. HARRISON,

Mr. Jno. Long of Dalhousie East, N.S., says:—"I feel sure that this is the right system of improving the quality and increasing the yield of crops and I am well satisfied with the results."

Mr. F. N. Hopkins, Stoughton, Sask., submits the following statement of a comparison of the returns from registered seed wheat and ordinary wheat made on his farm during the past season:

Both kinds were sown on backsetting, amount sown: $1\frac{1}{2}$ bushels to the acre.

The crop from the ordinary seed yielded 30 bushels per acre while that produced from the Registered seed yielded 37 bushels per acre.

This seed has not been submitted to the official grader, but it is undoubtedly a better sample than is that from the ordinary crop.

"On April 15th, 1905, I sowed 10 bushels of Improved Red Fife wheat which yielded 42½ bushels per acre, and graded No. 1 Northern. The ordinary wheat which was grown on the same kind of land and under similar conditions yielded 36 bushels per acre and graded No. 2 Northern. This shows a difference of 6½ bushels per acre and one grade in favor of the crop from improved seed."

(Signed) W. A. McINTOSH.

VALLEY RIVER, MAN., December 27th, 1905.

"I was favourably impressed by the returns from registered seed as compared with ordinary seed wheat as grown on my farm during the past season. The registered seed was sown in April on breaking at the rate of 1 bushel per acre while the adjoining land was sown with ordinary wheat at 1½ bushels per acre, so that I have no figures which show returns from exactly similar conditions. Both crops showed an excellent stand of straw. Those who saw the two side by side favoured the crop from registered seed commenting upon the uniformity and size of the heads, and its freedom from other varieties. The yield from the registered seed was from 10 to 15 bushels more per acre than that obtained from ordinary seed in this district as it yielded 40½ bushels per acre, threshers' measure.

(Signed) JOHN A. MOONEY.

VALLEY RIVER, MAN., December 26th, 1905.

PROFIT PER ACRE FROM GROWING A CROP OF RED FIFE WHEAT
FROM REGISTERED SEED.

Breaking, disking, harrowing, and seeding.	\$10.00
Seed—1 bushel.	2.35
Cutting and stocking.	1.00
Threshing 40½ bushels in stock at 8 cts. per bushel to cover expenses for board of men and teams.	3.25
Expenses.	\$16.60
40½ bushels at \$1.50 per bushel.	\$60.75
Expenses.	16.60
Net profit per acre.	\$44.15

(Signed) JNO. A. MOONEY.

VALLEY RIVER, MAN., Dec. 26th, 1905.

TO THE SECRETARY,
CANADIAN SEED GROWERS' ASSOCIATION,
OTTAWA, ONT.

DEAR SIR,—We sowed 19 bushels of Registered Red Fife Seed Wheat last spring on 17½ acres breaking. The yield was 36 bushels to the acre while the adjoining breaking on which was sown 5 pecks to the acre of our best seed yielded but 28 bushels per acre and was of inferior quality.

Yours truly,

(Signed) LUMB BROS.,

CARTWRIGHT, MAN., Dec. 1st, 1905.

LIST OF MEMBERS HAVING 'IMPROVED' OR 'GENERAL CROP SEED' FOR SALE.

MARITIME DISTRICT.

WHEAT.

Donald Innes, Tobique River, N.B.—'White Fife' from sandy loam after root crop; yield 25 bushels per acre; 1,500 lbs. 'General Crop Registered Seed;' price quoted \$3.33 per 100 lbs.

B. H. Cormier, Elm Tree, N.B.—'White Russian;' from gravelly soil after roots; 2,400 lbs. 'Improved Registered Seed;' price quoted, \$2.50 per 50 lbs.

T. J. Wigginton, Bridgetown, P.E.I.—'White Russian;' from light clay soil after potatoes; somewhat effected with weevil; 1,200 lbs. 'General Crop Registered Seed;' price quoted \$2.25 per 100 lbs.

Thos. S. Waugh, North Bedeque, P.E.I.—'White Russian;' from sandy loam soil after root crop; 2,100 lbs. 'General Crop Registered Seed;' price quoted \$3.33 per 100 lbs.

Gordon MacMillan, New Haven, P.E.I.—'White Fife;' from sandy loam after roots; supply for sale each year; price on application.

Elie E. Arsenault, Urbinville, P.E.I.—'White Russian;' from medium to light soil after turnips; 400 lbs produced from 'Improved Registered Seed;' price quoted \$2.50 per 100 lbs.

OATS.

Thos. S. Waugh, North Bedeque, P.E.I.—'Gothland' (white) ; from sandy loam after root crop; 3,400 lbs. 'General Crop Registered Seed;' price quoted \$2.20 per 100 lbs.

Jno. Long, Dalhousie East, N.S.—'Banner;' from light loam after potatoes 900 lbs. 'General Crop Registered Seed;' price quoted \$2.25 per 100 lbs.

Jas. Marchbank, New Annan, P.E.I.—'Black Tartarian Oats;' from sandy loam after potatoes; 1,360 lbs. 'General Crop Registered Seed;' price quoted \$1.47 per 100 lbs.

Donald Innes, Tobique River, N.B.—'Early Blossom Oats;' from sandy loam after clover; 2,720 lbs. 'General Crop Registered Seed;' price quoted \$2.25 per 100 lbs.

Wm. O. Wright, Dalhousie East, N.S.—'American Beauty;' from clay loam after potatoes; a quantity for sale each year; price on application.

Jno. Ferguson, Lower Queensbury, N.B.—'Early Triumph;' from sandy loam after potatoes and hay; a supply for sale each year; price on application.

BARLEY.

Donald Innes, Tobique River, N.B.—'Mensury;' from sandy loam after a root crop; 240 lbs. 'General Crop Seed;' price quoted \$2.00 per 100 lbs.

QUEBEC DISTRICT.

WHEAT.

Joseph Perron, Les Eboulements.—'Perron;' from sandy loam after pasture. 2,000 lbs. 'General Crop Registered Seed;' price quoted \$3.00 per 100 lbs.

OATS.

Henri Trepannier, St. Stanislas, Que.—'Banner;' from black loam after pasture; 500 lbs. 'Improved Seed;' from the second year of selection; price quoted 75c. per 50 lbs; 3,400 lbs. 'General Crop Seed;' price quoted \$1.40 per 100 lbs.

Cyprien Belanger, Trois Pistoles, Que.—'Tartar King;' after pasture; 10,000 lbs. 'General Crop Registered Seed;' price quoted \$2.00 per 100 lbs.

Jerimie Levqsseur, Tessieville, Que.—'Banner;' from sandy soil after pasture; several hundred pounds. 'General Crop Registered Seed;' price quoted \$2.00 per 100 lbs.

Gilbert Matthews, La Chute Mills, Que.—'Banner' from gravelly soil after potatoes; 300 lbs. 'Improved Registered Seed' at 4c. per lb.; 1000 lbs. 'General Crop Registered Seed' at \$3.50 per 100 lbs.

CORN.

W. L. Davidson, Bethel.—'Western Beauty;' (flint); from gravelly loam soil; a small supply for sale on the cob; price on application.

ONTARIO DISTRICT.

FALL WHEAT.

C. R. Gies, Heidelberg.—'Dawson's Golden Chaff;' estimate of harvest f 5 1906; 200 bushels. 'General Crop Registered Seed;' from clay soil; price on application.

Neil Stevenson, Avonbank.—'Dawson's Golden Chaff;' from clay loam; a supply of 'General Crop Registered Seed' for sale each year; price on application.

SPRING WHEAT.

Robt. McKay, Maxville.—'Red Fife;' from gravelly loam; limited supply of 'General Crop Registered Seed' for sale; price on application.

OATS.

W. L. Dixon, Dromore.—'Banner;' from sandy loam after roots; supply of 'General Crop Registered Seed' for sale; price on application.

David Prouse, Goderich.—'Newmarket;' from clay loam; 450 bushels. 'General Crop Seed;' price on application. This crop contained some mustard and cannot therefore be guaranteed.

BARLEY (six rowed).

Duncan Carmichael, Jr., West Lorne.—'Mensury;' from clay loam after corn; 4,800 lbs. 'General Crop Seed;' price quoted \$2.08 for 100 lbs.

CORN (dent).

A. Van Sickle, Onondaga.—'Leaming;' on sandy loam, well matured, with good foliage for silage; 1,000 lbs. (ears), from breeding plot of first year, and about 200 bushels from general field crop, for sale on ear; price quoted \$1.50 per 100 lbs.

G. H. Coatsworth, Kingsville.—'Yellow Dent;' 50 bushels from first year's selection for sale on ear; price on application.

Chas. Ure, Windsor.—'Yellow Dent;' from clay loam; a quantity of first year's selection for sale on ear; price on application.

Zacharius Wigle, Ruthven.—'Reid's Yellow Dent;' from sandy loam, well matured, with fair amount of foliage. This corn is pure bred, and has a record for producing large yields of grain where it can be matured. A small quantity from the breeding plot is offered for sale on the ear at .02 per lb. Highly commended for beginners in the work of corn-breeding in Southern Ontario.

Frank Suitor, Chatham.—'Illinois White Dent;' from clay loam; 20 to 30 bushels of first year's selection for sale on ear; price quoted \$1.00 per bushel.

J. C. Thomas, Blythswood.—'White Cap Yellow Dent;' from sandy loam after tobacco; 5 bushels from first year's selection for sale on the ear; price on application.

CORN (flint).

L. D. Hankinson, Grovesend.—'Eight Rowed Yellow Flint;' from light clay loam after clover sod; limited quantity from first year's selection for sale on ear; price on application.

D. G. Thompson, Cumming's Bridge.—'Northern King' (Yellow); from sandy loam after turnips; limited quantity from first year's selection for sale on the ear; price on application.

W. B. Roberts, Sparta.—'Compton's Early' (Yellow); from clay loam; limited quantity from first year's selection for sale in the ear; price on application.

CORN (sweet).

J. O. Duke, Olinda.—'Evergreen Sweet;' from clay loam after tobacco; 50 bushels. 'Improved Seed;' for sale on the ear; price quoted \$3.00 per bushel.

POTATOES.

SMITH BROS., BEACHVILLE, ONT.

Sir Walter Raleigh, var.—Grown on sandy loam after grain crop; free from disease; 500 lbs. Hand-Selected Registered Seed at \$2.25 per bag. 4,000 lbs. Improved Seed at \$2.00 per bag. 4,000 lbs. General Crop Seed at \$1.75 per 100 lbs.

Irish Cobbler, var.—Grown on sandy loam after corn; free from disease and a very heavy yielder with few small potatoes. 500 lbs. Hand-Selected Registered Seed at \$3.00 per bag. 1,000 lbs. Improved Seed at \$2.25 per bag. 4,000 lbs. General Crop Seed at \$2.00 per bag.

Carman, No. 3 var.—Grown on sandy loam after grass; free from disease and a good yielder. 700 lbs. Hand-Selected Registered Seed at \$3.00 per bag. 4,000 lbs. Improved Seed at \$2.00 per bag. 6,000 lbs. General Crop Seed at \$1.75 per 100 lbs.

DISTRICT OF MANITOBA AND SASKATCHEWAN.

WHEAT.

Thomas Thomson, Roden, Man.—'Red Fife;' from sandy loam after new land; 18,000 lbs. 'General Crop Registered Seed' for sale; price quoted \$2.50 per 100 lbs. including bags.

Robt. McKell, Regina, Sask.—'Red Fife;' from clay loam after summer fallow; 18,000 lbs. 'General Crop Seed' for sale; price quoted \$1.67 per 100 lbs. A small quantity of wild oats and stinkweed reported in the growing crop.

Fred. Kirkham & Sons, Saltcoats, Sask.—'White Fife;' about 7,000 lbs. 'General Crop Registered Seed' for sale; price quoted \$1.33 per 100 lbs.

W. M. Black, Creelman, Sask.—'Red Fife;' 12,000 lbs; produced from Registered Seed; price quoted \$2.00 per 100 lbs; F.O.B., bags extra.

Sergt.-Major Coles, Moffat, Sask.—'Preston;' from light clay loam; 24,000 lbs. 'General Crop Seed' for sale; price quoted \$1.00 per bushel.

G. P. Jack, Rosewood, Man.—'Stanley;' from light sandy loam after potatoes; A small quantity of 'Improved Seed' from the breeding plot is offered for sale; price on application.

OATS.

Robt. McKell, Regina, Sask.—'Banner;' from clay loam; 10,200 lbs. 'General Crop Registered Seed' for sale; price quoted \$1.76 per 100 lbs.

Geo. G. Dow, Gilbert Plains, Man.—'Dow's Banner;' from sandy loam after summer fallow and new land; 4,000 lbs. 'General Crop Registered Seed;' price quoted \$2.25 per 100 lbs.

Fred. Kirkham & Sons, Saltcoats, Sask.—'Danish White;' from sandy loam. About 12,000 lbs. 'General Crop Registered Seed' for sale; price quoted \$1.18 per 100 lbs.